

Claims

What is claimed is:

1. A discharge lamp having a discharge vessel, in
whose interior an ionizable filling is enclosed in
5 a gas-tight manner, the discharge vessel having at
least one sealed-off end which is provided with a
current feedthrough, and the at least one current
feedthrough being connected to an electrode which
protrudes into the interior of said discharge
10 vessel and has a section (41) which extends into
said sealed-off end,
wherein said section of the electrode which
extends into said sealed-off end is provided with
a coating, which contains a high-melting metal
15 from the group of the platinum metals.
2. The discharge lamp as claimed in claim 1, wherein
said coating extends over the entire surface of
said section of the electrode which extends into
said sealed-off end.
- 20 3. The discharge lamp as claimed in claim 1, wherein
said high-melting metal from the group of the
platinum metals is one of the metals ruthenium,
iridium, osmium or rhodium.
4. The discharge lamp as claimed in claim 1, wherein
25 said coating consists of ruthenium or an alloy of
the electrode material with ruthenium.
5. The discharge lamp as claimed in claim 1, wherein
the thickness of said coating (410) is at least
100 nm.
- 30 6. The discharge lamp as claimed in claim 1, wherein
said electrode consists of tungsten.
7. The discharge lamp as claimed in claim 1, wherein
said discharge vessel consists of quartz glass.

8. A metal-halide high-pressure discharge lamp as claimed in claim 1.